



TE 504

July 18, 1995

Mr. Nelson Rekos
Coal Projects Management Division
U.S. Department of Energy
Morgantown Energy Technology Center
PO Box 880
Morgantown, WV 26507-0880

RE: Tampa Electric Company
DOE-IGCC Project
Quarterly Report for April 1995-June 1995

95000-2 PM 1:24

Dear Nelson:

Bechtel's engineering progress was 99+% complete at the end of the second quarter of 1995. Most of the engineering emphasis for the period was for finalizing piping isometric drawings and for supporting the final design and fabrication of the Radiant Syngas Cooler (RSC). Most of the engineering functions will now be handled by the Bechtel resident engineering staff at the site. The Houston office is doing some support work as needed, along with closing out the project's documentation.

Negotiations with MAN GHH regarding all technical and commercial issues were completed on May 27, 1995. A change order incorporating the agreement was signed by MAN GHH on June 7. The RSC tube bundle was placed on the river barge in Italy on May 29, starting the ocean voyage to Florida. The shell and tube bundle were transported from Port Manatee to the site on June 24 and July 1, respectively. The shell was placed into the gasification steel structure on June 28, followed one week later by the tube bundle.

The contract for the gasification area equipment installation (CP-11) was awarded to TIC - The Industrial Company, during April. TIC has also been selected as the contractor for CP-11A, Hot Gas Clean Up equipment. TIC has been heavily involved in the setting and installation of the RSC.

H. B. Zachry, the contractor for equipment installation in the power block area (CP - 012) is about 30% complete with their work. Zachry has set the Combustion Turbine and Generator and Steam Turbine-Generator. The main transformers have been set and connected to the main switchyard. All HRSG modules have been installed.

Site development work by Johnson Brothers Corporation (CP-01) was 75% complete at the end of the quarter. Approximately 10-1/4 million cubic yards of material have been moved of the estimated total of 12-1/2 million cubic yards. The coal truck ramp was being completed at the end of June. Work in the wetland areas and intake/discharge structure continues.

Civil/underground work by Johnson Brothers under their CP-08 contract was almost complete. This includes concrete foundations, underground electrical and piping, the fuel oil storage dike and utilities. Johnson Brothers also completed the initial steel in the gasification area: all other steel in that area is being installed by TIC under CP-11.

Major equipment deliveries during the second quarter included the RSC shell and tube bundle, HP and MP steam drums, air separation unit, main air compressor motor (45, 000 HP), the DCS system, Steam Turbine and Generator, and the flare. Many of the large prefabricated vessels in the sulfuric acid plant were also received.

A lot of attention was focused on the Hot Gas Clean Up System during this quarter. In addition to delays in GEESI's engineering and equipment supply, potential problems with sorbent performance were discovered. Meetings were held with GE, GEESI, Tampa Electric and DOE to put together a workable plan for sorbent testing, development and supply to support the Project's Commercial Operation Date. The sorbent will need to be ordered during the third quarter to allow for the manufacturing period and supply to meet the requirements for sorbent loading during 1996.

Tampa Electric and Bechtel Project Management have expended considerable effort in expediting steel and piping deliveries. Suppliers in both areas have had manufacturing difficulties and delays. Fortunately, the steel needed for the support of the RSC was delivered in time, allowing for timely installation of the RSC and other equipment in its structure.

The control building is almost complete. Final punchlist items are being taken care of at the present time. The coal silos are about 2/3 complete. Pouring of concrete continues on an accelerated schedule to support that contract's schedule.

Both Air Products and Monsanto are well along in the construction phases of their turnkey contracts. Air Products is about 50% complete, with all compressors and motors installed. The distillation column was lifted from its horizontal position and set vertically during this quarter. The sulfuric acid plant is approximately 10% complete. This area is proceeding rapidly, with completion expected later this year.

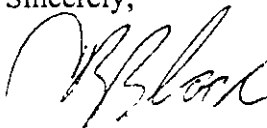
The plant start up organization has begun initial check out and startup of plant systems such as batteries and power substations. The control room building air conditioning system was placed in service.

In order to provide more detail of the recent activities, we have attached the following items:

1. Draft Monthly Progress Report for June 1995
2. Monthly Construction Management Reports
3. Weekly Construction Management Reports
4. Video of site construction activities
5. Video of RSC transportation and erection

If you need additional information or have a question concerning the project's activities during the second quarter of 1995, please feel free to contact D.E. Pless or myself.

Sincerely,



C. R. Black
Vice President
Tampa Electric Company

cc: D.E. Pless
S.D. Jenkins
R.N. Howell
File M11.8.1
File R2.1.2